

FORM PTO-1449	Atty. Docket No.: S01.12-0643	Serial No.: 09/733,405
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Brian Pollock	
	Filing Date	Group Art:
	December 8, 2000	4741-2657

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	3,725,764	4/3/73	Oswald	318	629	
AB	3,863,124	1/28/75	Pierce et al.	318	638	
AC	3,914,541	10/21/75	Elliott	178	6.6	
AD	4,030,132	6/14/77	Iftikar et al.	360	78	
AE	4,103,314	7/25/78	Case	360	78	
AF	4,135,217	1/16/79	Jacques et al.	360	77	
AG	4,149,199	4/10/79	Chick et al.	360	77	
AH	4,217,612	8/12/80	Matla et al.	360	78	
AI	4,314,295	2/2/82	Frandsen	360	106	RECEIVED
AJ	4,329,712	5/11/82	Lang	358	128.5	JUN 30 2003
AK	4,355,266	10/19/82	Pearson	318	85	

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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	0 130 248 A1	1/9/85	EPO			X
AM	0 540 114 A1	5/5/93	EPO			X
AN	0 549 814 A1	7/93	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	Recording Properties of Multilayered Thin Film Media, by D.C. Palmer, K.E. Johnson, E.Y. Wu, and J.V. Peske, IEEE Transactions On Magnetism, Vol. 27, No. 6, November 1991, pp. 5307-5309.
AP	Evolution of The Soft Error Rate Model, by P. Hardy and D.J. Malone, IEEE Transactions On Magnetism, Vol. 27, No. 6, November 1991, pp. 5313-5315.
AQ	Error Rate Performance of Experimental Gigabit Per Square Inch Recording Components, by T.D. Howell, D.P. McCown, T.A. Diola, Y. Tang, K.R. Hense, and R.L. Gee, IEEE Transactions On Magnetism, Vol. 26, No. 5, September 1990, pp. 2298-2302.

EXAMINER: <i>Cirdu J. Hight</i>	DATE CONSIDERED: <i>9/30/03</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	December 8, 2000	1741 2651

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AH	BA	4,371,960	2/1/83	Kroiss	369	43
BA	BB	4,396,961	8/2/83	Prasad et al.	360	78
BC	BC	4,414,589	11/8/83	Oliver et al.	360	77
BD	BD	4,456,934	6/26/84	Wedman et al.	360	78
BE	BE	4,485,418	11/27/84	Bremmer	360	77
BF	BF	4,497,047	1/29/85	Fujiie et al.	369	45
BG	BG	4,513,333	4/23/85	Young et al.	360	77
BH	BH	4,524,397	6/18/85	Bond	360	75
BI	BI	4,562,494	12/31/85	Bond	360	75
BJ	BJ	4,575,776	3/11/86	Stephens et al.	360	78
BK	BK	4,605,977	8/12/86	Matthews	360	103

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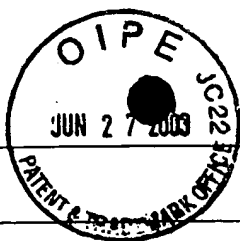
		Document No.	Date	Country	Class	Sub Class	Translation Yes No
BL	GB 2 060 217 A	4/27/81	United Kingdom				
BM	DE 3900683A	1/12/89	Germany				
BN	WO 91/06096	5/2/91	PCT				X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BO	A Track Density Model for Magnetoresistive Heads Considering Erase Bands, by J.K. Lee and P.I. Bonyhard, IEEE Transactions On Magnetism, Vol. 26, No. 5, September 1990, pp. 2475-2477.
BP	Demonstration Of 500 Megabits Per Square Inch With Digital Magnetic Recording, by Roy A. Jensen, Joost Mortelmans, and Robin Hauswitzer, IEEE Transactions On Magnetism, Vol. 26, No. 5, September 1990, pp. 2169 - 2171.
BQ	IBM's Next Generation Magnetoresistive Heads, 1987

EXAMINER: *Andr J. Ingle*DATE CONSIDERED: *9/30/03*

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	Filing Date	Group Art:
	December 8, 2000	17412651

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
ATJ	CA	4,616,276	10/7/86	Workman	360	77
ATJ	CB	4,620,244	10/28/86	Krause	360	77
ATJ	CC	4,620,252	10/28/86	Bauck et al.	360	106
ATJ	CD	4,633,345	12/30/86	Keener	360	77
ATJ	CE	4,636,885	1/13/87	Yamada et al.	360	78
ATJ	CF	4,677,602	6/30/87	Okano et al.	369	32
ATJ	CG	4,679,103	7/7/87	Workman	360	77
ATJ	CH	4,697,127	9/29/87	Stich et al.	318	561
ATJ	CI	4,697,213	9/29/87	Kitamura	360	78
ATJ	CJ	4,706,250	11/10/87	Patel	371	39
ATJ	CK	4,727,533	2/23/88	Erbert	369	112

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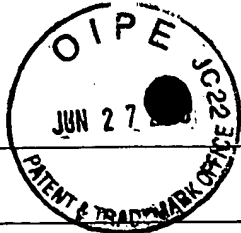
	Document No.	Date	Country	Class	Sub Class	Translation Yes No
ATJ	CL	WO 93/06595	4/1/93	WIPO		X
ATJ	CM	WO 97/45833	12/4/97	WIPO		X
ATJ	CN	1,713,268	3/12/91	England		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ATJ	CO	Magnetoresistive Read Magnetic Recording Head Offtrack Performance Assessment, by P.I. Bonyhard and J.K. Lee, IEEE Transactions On Magnetism, Vol. 26, November 1990, pp. 2448 - 2450.
ATJ	CP	Design Issues For Practical Rigid Disk Magnetoresistive Heads, by P.I. Bonyhard, IEEE, Transactions On Magnetism, Vol. 26, No. 6, November 1990, pp. 3001 - 3003.
ATJ	CQ	TMR and Squeeze at Gigabit Areal Densities, by Patrick C. Arnett and Don McCown, IEEE Transactions On Magnetism, Vol. 28, No. 4, July 1992, pp. 1984 - 1986.
ATJ	CR	Window-Shifting Mechanism In Data Separator, IBM Technical Disclosure Bulletin, Vol. 30, No. 6, November 1987.

EXAMINER: *Andrew J. High*DATE CONSIDERED: *9/30/03*

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	December 8, 2000	1741 265

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
DA	4,764,860	8/16/88	Takao	369	43	
DB	4,786,990	11/22/88	Overton et al.	360	65	
DC	4,788,608	11/29/88	Tsujisawa	360	77	
DD	4,791,599	12/13/88	Hethuin et al.	364	728.07	
DE	4,803,572	2/7/89	Haruna et al.	360	60	
DF	4,816,938	3/28/89	Cowen et al.	360	75	
DG	4,822,139	4/18/89	Yshizumi	350	257	
DH	4,878,135	10/31/89	Makino et al.	360	78.04	
DI	4,897,840	1/30/90	Weiss et al.	371	40.1	
DJ	4,924,165	5/8/90	Kohn	318	592	
DK	4,947,272	8/7/90	Yokozawa	360	77	
DL	4,956,831	9/11/90	Sarraf et al.	369	32	
DM	4,965,782	10/23/90	Mathews	369	48	
DN	5,046,060	9/3/91	Chow et al.	369	44.32	
DO	5,055,731	10/8/91	Nihei et al.	310	309	
DP	5,056,074	10/8/91	Tateishi et al.	369	44.28	
DQ	5,062,023	10/29/91	Squire	360	78.04	
DR	5,073,885	12/17/91	Ito et al.	369	44.28	
DS	5,081,552	1/14/92	Glaser et al.	360	98.01	

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Technology Center 2600

DT	U.S. Provisional Patent Application No. 60/170,240 entitled "VIRTUAL TRACKS FOR REPEATABLE RUNOUT (RRO) MANAGEMENT" filed December 10, 1999
DU	U.S. Provisional Patent Application No. 60/198,166, entitled "ECCENTRIC SERVO TRACK REFERENCING" filed April 17, 2000

EXAMINER:

Cinder J. Hiet

DATE CONSIDERED:

9/26/03

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	December 8, 2000	1741 2051

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	EA	5,089,757	2/18/92	Wilson	318	560
AA	EB	5,122,718	6/16/92	Sawata	318	621
AA	EC	5,146,372	9/8/92	Cronch et al.	360	51
AA	ED	5,161,077	11/3/92	Jabbari	360	106
AA	EE	5,164,863	11/17/92	Janz	360	57
AA	EF	5,185,681	2/9/93	Volz et al.	360	77.05
AA	EG	5,187,620	2/16/93	Notake et al.	360	77.04
AA	EH	5,189,578	2/23/93	Mori et al.	360	106
AA	EI	5,197,058	3/23/93	Bell, Jr. et al.	369	44.28
AA	EJ	5,198,948	3/30/93	Stover et al.	360	124
AA	EK	5,204,793	4/20/93	Plonczak	360	97.01
AA	EL	5,216,559	6/1/93	Springer	360	106
AA	EM	5,233,487	8/3/93	Christensen et al.	360	77.04
AA	EN	5,241,433	8/31/93	Anderson et al.	360	77.04
AA	EO	5,247,501	9/21/93	Hashimoto et al.	369	44.11
AA	EP	5,257,149	10/26/93	Meyer	360	78.14
AA	EQ	5,270,885	12/14/93	Satoh et al.	360	77.04
AA	ER	5,274,511	12/28/93	Ikeda	360	55
AA	ES	5,287,234	2/15/94	Suzuki	360	78.04
AA	ET	5,287,225	2/15/94	Jorgenson	360	106
AA	EU	5,299,026	3/29/94	Vincett et al.	358	401

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AA	EV	"Automated Tuning Concepts for Iterative Learning and Repetitive Control Laws" by R. Longman et al., PROCEEDINGS OF THE 37TH IEEE CONFERENCE ON DECISION AND CONTROL, pgs. 192-198, (August 1998).
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EXAMINER:

C. J. Lyle

DATE CONSIDERED:

9/30/03

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	December 8, 2000	517412651

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
MM	FA 5,303,105	4/12/94	Jorgenson	360	106	
MM	FB 5,305,160	4/19/94	Funches et al.	360	78.07	
MM	FC 5,311,378	5/10/94	Williams et al.	360	77.03	
MM	FD 5,367,513	11/22/94	Bates et al.	369	44.29	
MM	FE 5,379,171	1/3/95	Morehouse et al.	360	10.5	
MM	FF 5,400,201	3/21/95	Pederson	360	135	
MM	FG 5,404,253	4/4/95	Painter	360	77.04	
MM	FH 5,416,658	5/26/95	Sega et al.	360	106	
MM	FI 5,444,582	8/22/95	Suzuki	360	78.09	
MM	FJ 5,444,583	8/22/95	Ehrlich et al.	360	78.09	
MM	FK 5,455,724	10/3/95	Suzuki et al.	360	77.04	
MM	FL 5,465,182	11/7/95	Ishikawa	360	75	
MM	FM 5,465,183	11/7/95	Hattori	360	78.9	
MM	FN 5,521,773	5/28/96	Suzuki et al.	360	77.04	
MM	FO 5,521,778	5/28/96	Boutaghou et al.	360	106	
MM	FP 5,523,902	6/4/96	Pederson	360	77.80	
MM	FQ 5,535,072	7/9/96	Witt et al.	360	99.06	
MM	FR 5,539,714	7/23/96	Andres, Jr. et al.	369	44.26	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

FT	
EXAMINER: <i>Conrad S. Hugel</i>	DATE CONSIDERED: <i>9/30/03</i>

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U.S. PATENT DOCUMENTS

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HH	GA 5,541,784	6/30/96	Cribbs et al.	360	75	
HH	GB 5,550,685	8/27/96	Drouin	360	77.08	
HH	GC 5,553,086	9/3/96	Sompel et al.	371	47.1	
HH	GD 5,576,909	11/19/96	Dierkes et al.	360	78.09	
HH	GE 5,585,976	12/17/96	Pham	360	77.04	
HH	GF 5,602,689	2/11/97	Kadlec et al.	360	78.04	
HH	GG 5,608,586	3/4/97	Sri-Jayantha et al.	360	77.04	
HH	GH 5,610,487	3/11/97	Hutsell	318	560	
HH	GI 5,610,777	3/11/97	Dang et al.	360	77.03	
HH	GJ 5,638,230	6/10/97	Kadlec	360	78.04	
HH	GK 5,646,797	7/8/97	Kadlec et al.	360	75	
HH	GL 5,648,738	7/15/97	Welland et al.	327	307	
HH	GM 5,675,450	10/7/97	Kadlec	360	78.09	
HH	GN 5,677,809	10/14/97	Kadlec	360	78.09	
HH	GO 5,680,272	10/21/97	Kadlec et al.	360	78.04	
HH	GP 5,684,650	11/4/97	Kadlec et al.	360	77.06	
HH	GQ 5,706,265	1/6/98	Bang	369	50	
HH	GR 5,708,581	1/13/98	Martinez	364	164	
HH	GS 5,574,354	5/19/98	Tomita et al. Kohchi	360 326	155 155	

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FOREIGN PATENT DOCUMENTS

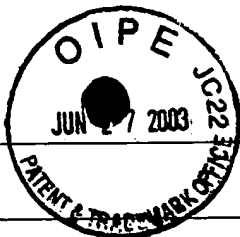
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EXAMINER: <u>and J. Lyle</u>	DATE CONSIDERED: <u>9/30/03</u>
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PH	HA	5,774,294	6/30/98	Fioravanti	360	75
PH	HB	5,774,297	6/30/98	Hampshire et al.	360	77.04
PH	HC	5,777,816	7/7/98	Hampshire et al.	360	77.08
PH	HD	5,793,559	8/11/98	Shepherd et al.	360	78.09
PH	HE	5,796,535	8/18/98	Tuttle et al.	360	51
PH	HF	5,796,542	8/18/98	Szeremeta	360	77.02
PH	HG	5,815,332	9/29/98	Suzuki et al.	360	48
PH	HH	5,822,147	10/13/98	Kisaka	360	77.08
PH	HI	5,825,578	10/20/98	Shrinkle et al.	360	77.08
PH	HJ	5,826,338	10/27/98	Chilton et al.	30	90.1
PH	HK	5,828,515	10/27/98	Kim	360	78.06
PH	HL	5,835,300	11/10/98	Murphy et al.	360	77.05
PH	HM	5,835,302	11/10/98	Funches et al.	360	78.07
PH	HN	5,844,743	12/1/98	Funches	360	78.04
PH	HO	5,854,722	12/29/98	Cunningham et al.	360	77.04
PH	HP	5,883,749	3/16/99	Park	360	75

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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HR	
EXAMINER: <i>Arthur J. Nick</i>	DATE CONSIDERED: <i>9/30/03</i>

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
IA	5,886,846	3/23/99	Pham et al.	360	78.04	
IB	5,898,286	4/27/99	Clare et al.	318	569	
IC	5,940,239	8/17/99	Lee et al.	360	77.02	
ID	5,940,240	8/17/99	Kupferman	360	77.08	
IE	5,949,605	9/7/99	Lee et al.	360	77.04	
IF	5,949,608	9/7/99	Hunter	360	78.09	
IG	5,956,201	9/21/99	Pham et al.	360	78.09	
IH	5,969,494	10/19/99	Kang	318	610	
II	5,978,169	11/2/99	Woods	360	77.04	
IJ	5,926,338	7/20/99	Jeon et al.	360	77.04	
IK	5,978,169	11/2/99	Woods	360	77.04	
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EXAMINER: *Andrew J. Hyet*

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